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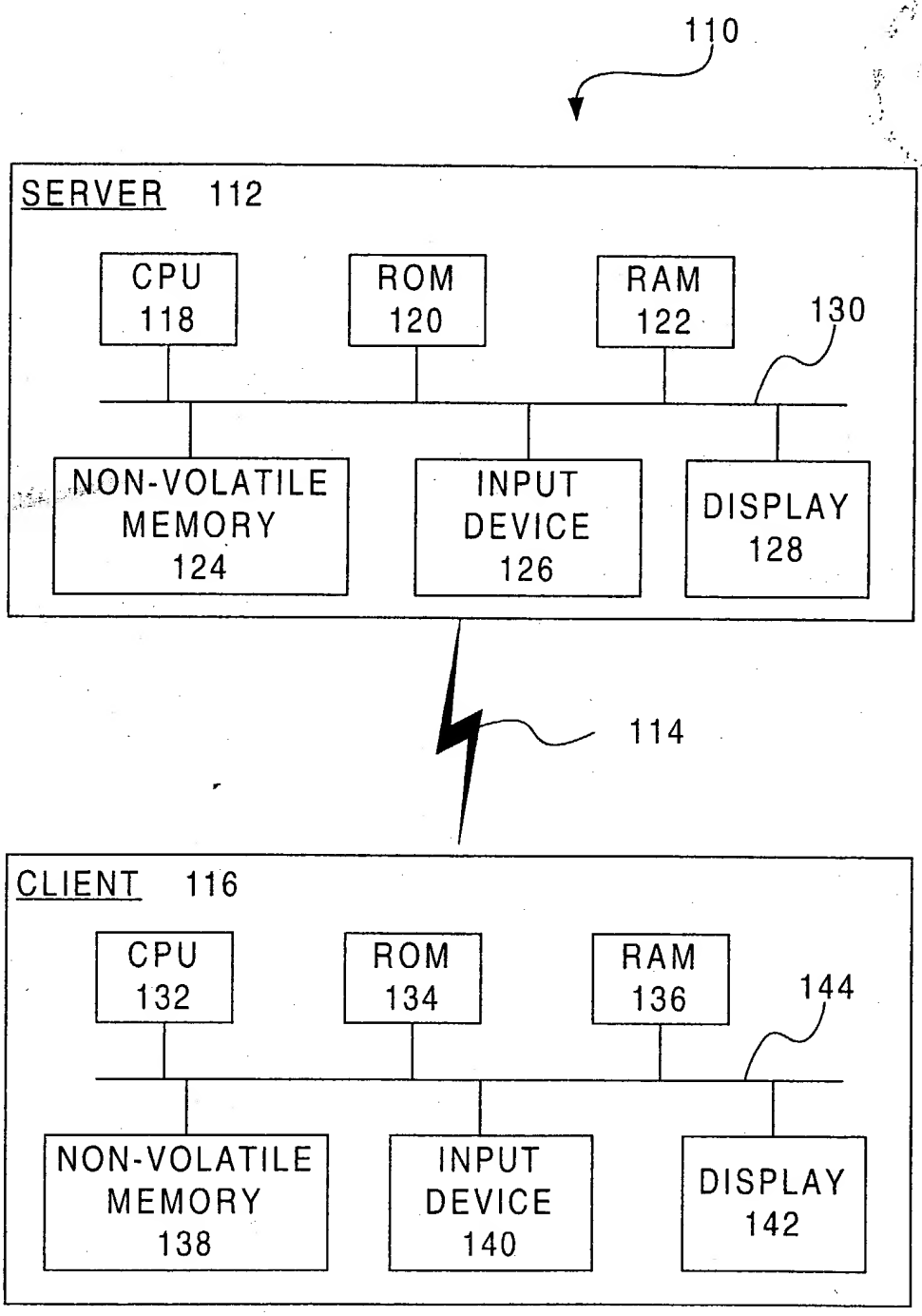
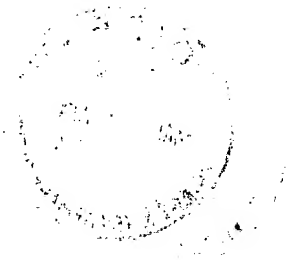

110
SERVER 112
CPU 118
ROM 120
RAM 122
130
NON-VOLATILE MEMORY 124
INPUT DEVICE 126
DISPLAY 128
114
CLIENT 116
CPU 132
ROM 134
RAM 136
144
NON-VOLATILE MEMORY 138
INPUT DEVICE 140
DISPLAY 142

FIG. 1



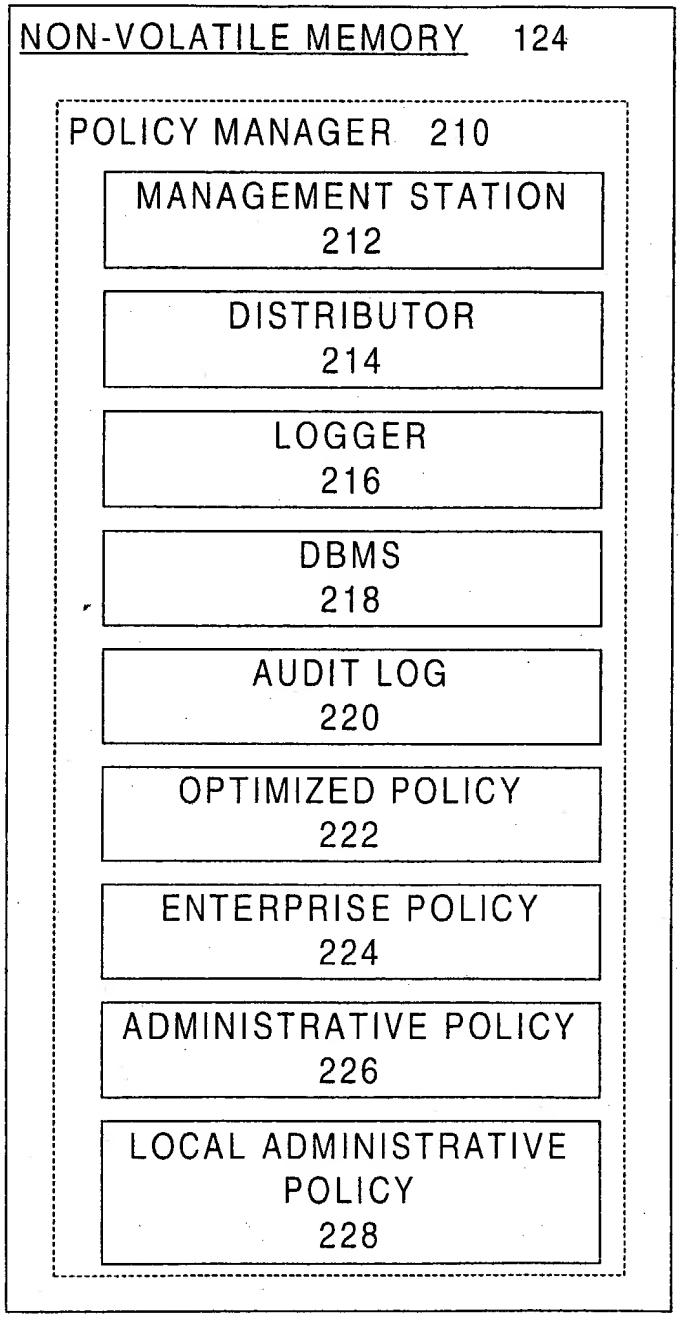

SERVER
NON-VOLATILE MEMORY 124
POLICY MANAGER 210
MANAGEMENT STATION 212
DISTRIBUTOR 214
LOGGER 216
DBMS 218
AUDIT LOG 220
OPTIMIZED POLICY 222
ENTERPRISE POLICY 224
ADMINISTRATIVE POLICY 226
LOCAL ADMINISTRATIVE POLICY 228

FIG. 2

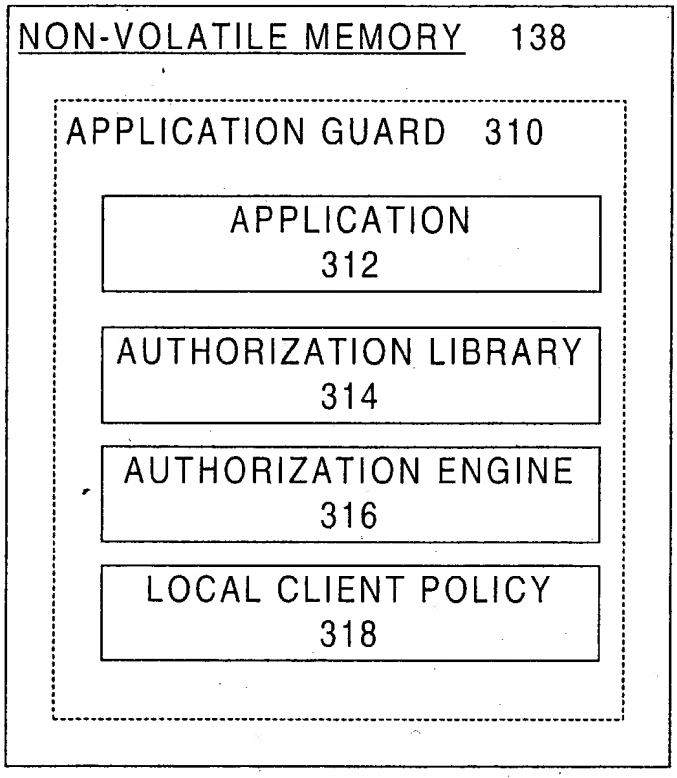

CLIENT
NON-VOLATILE MEMORY 138
APPLICATION GUARD 310
APPLICATION 312
AUTHORIZATION LIBRARY 314
AUTHORIZATION ENGINE 316
LOCAL CLIENT POLICY 318

FIG. 3

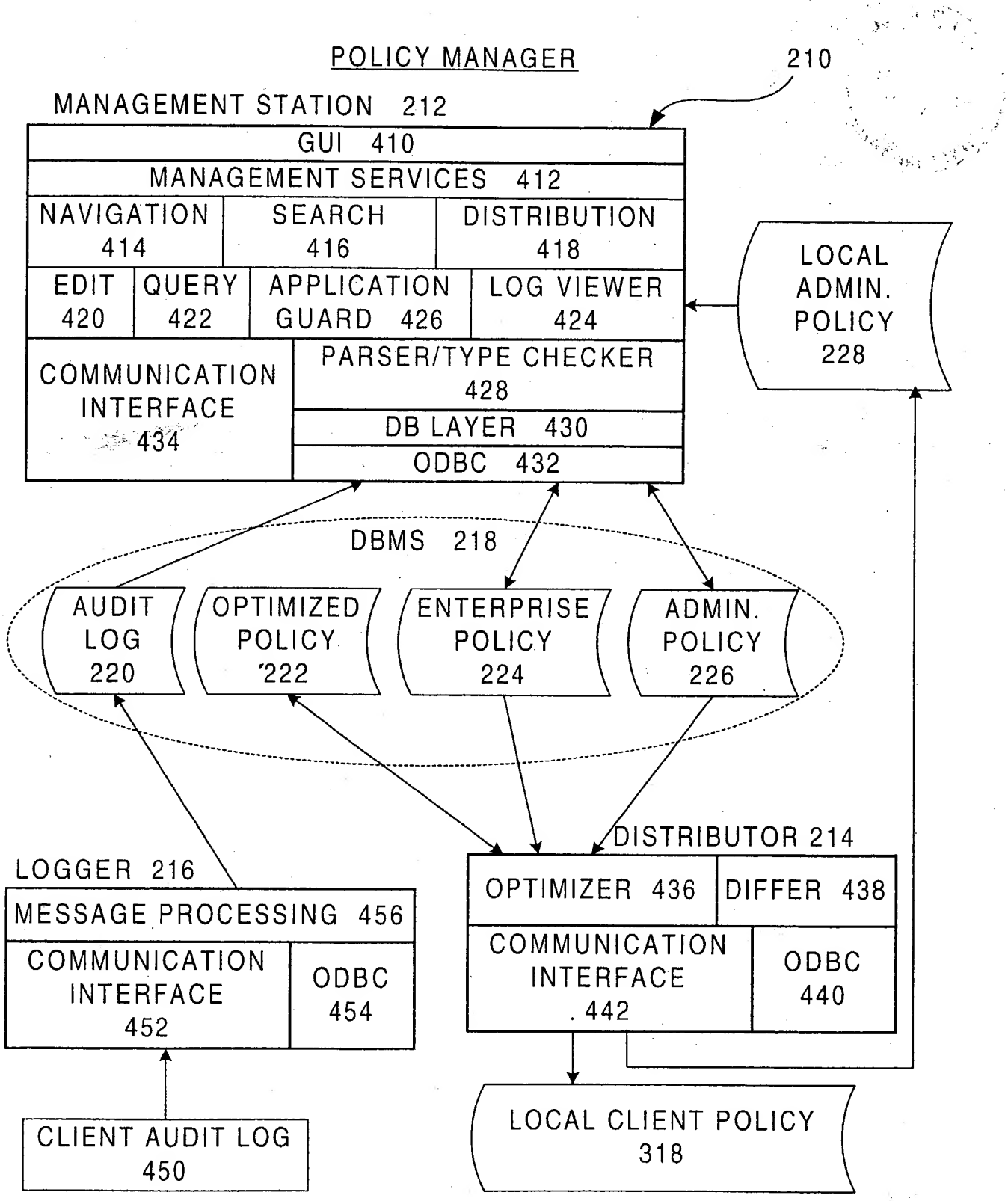

POLICY MANAGER
210
MANAGEMENT STATION 212
GUI 410
MANAGEMENT SERVICES 412
NAVIGATION 414
SEARCH 416
DISTRIBUTION 418
EDIT 420
QUERY 422
APPLICATION GUARD 426
LOG VIEWER 424
COMMUNICATION INTERFACE 434
PARSER/TYPE CHECKER 428
DB LAYER 430
ODBC 432
LOCAL ADMIN. POLICY 228
DBMS 218
AUDIT LOG 220
OPTIMIZED POLICY 222
ENTERPRISE POLICY 224
ADMIN. POLICY 226
LOGGER 216
MESSAGE PROCESSING 456
COMMUNICATION INTERFACE 452
ODBC 454
CLIENT AUDIT LOG 450
DISTRIBUTOR 214
OPTIMIZER 436
DIFFER 438
COMMUNICATION INTERFACE 442
ODBC 440
LOCAL CLIENT POLICY 318

FIG. 4

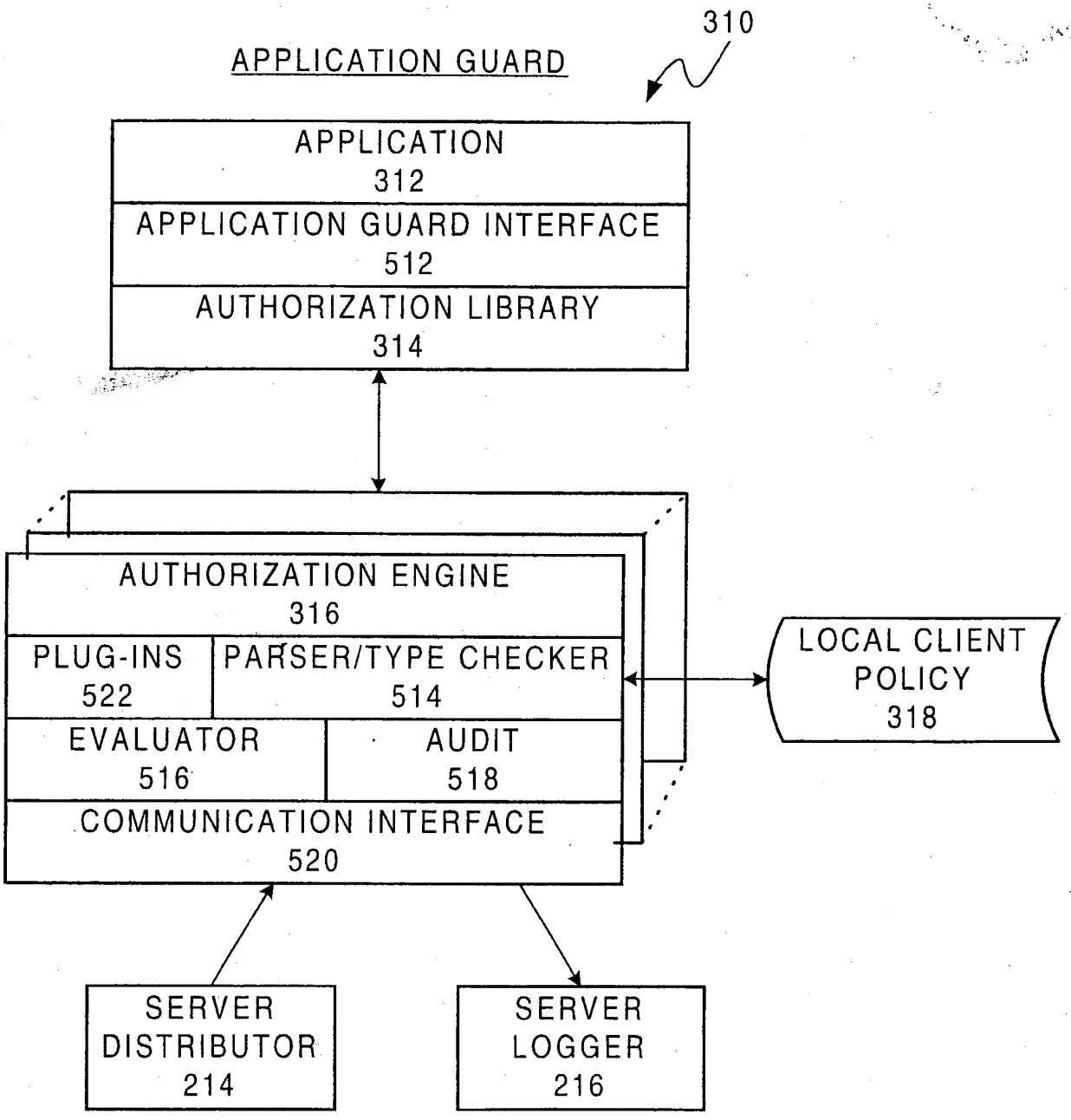

310
APPLICATION GUARD
APPLICATION
312
APPLICATION GUARD INTERFACE
512
AUTHORIZATION LIBRARY
314
AUTHORIZATION ENGINE
316
PLUG-INS
522
PARSER/TYPE CHECKER
514
EVALUATOR
516
AUDIT
518
COMMUNICATION INTERFACE
520
LOCAL CLIENT
POLICY
318
SERVER
DISTRIBUTOR
214
SERVER
LOGGER
216

FIG. 5

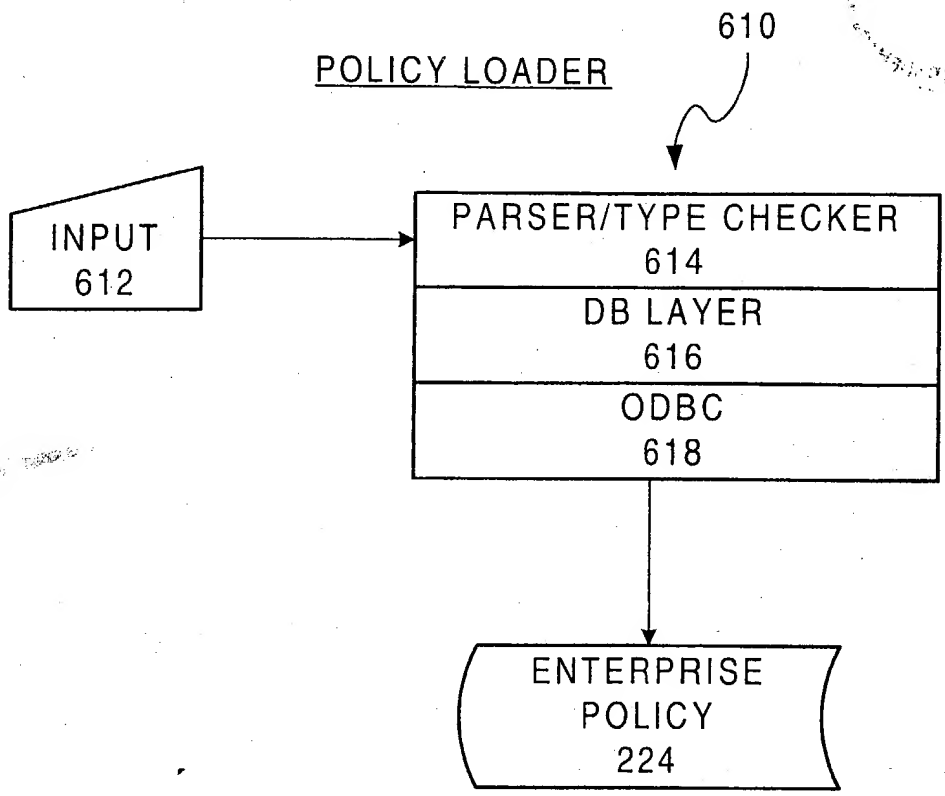

610
POLICY LOADER
INPUT
612
PARSER/TYPE CHECKER
614
DB LAYER
616
ODBC
618
ENTERPRISE
POLICY
224

FIG. 6

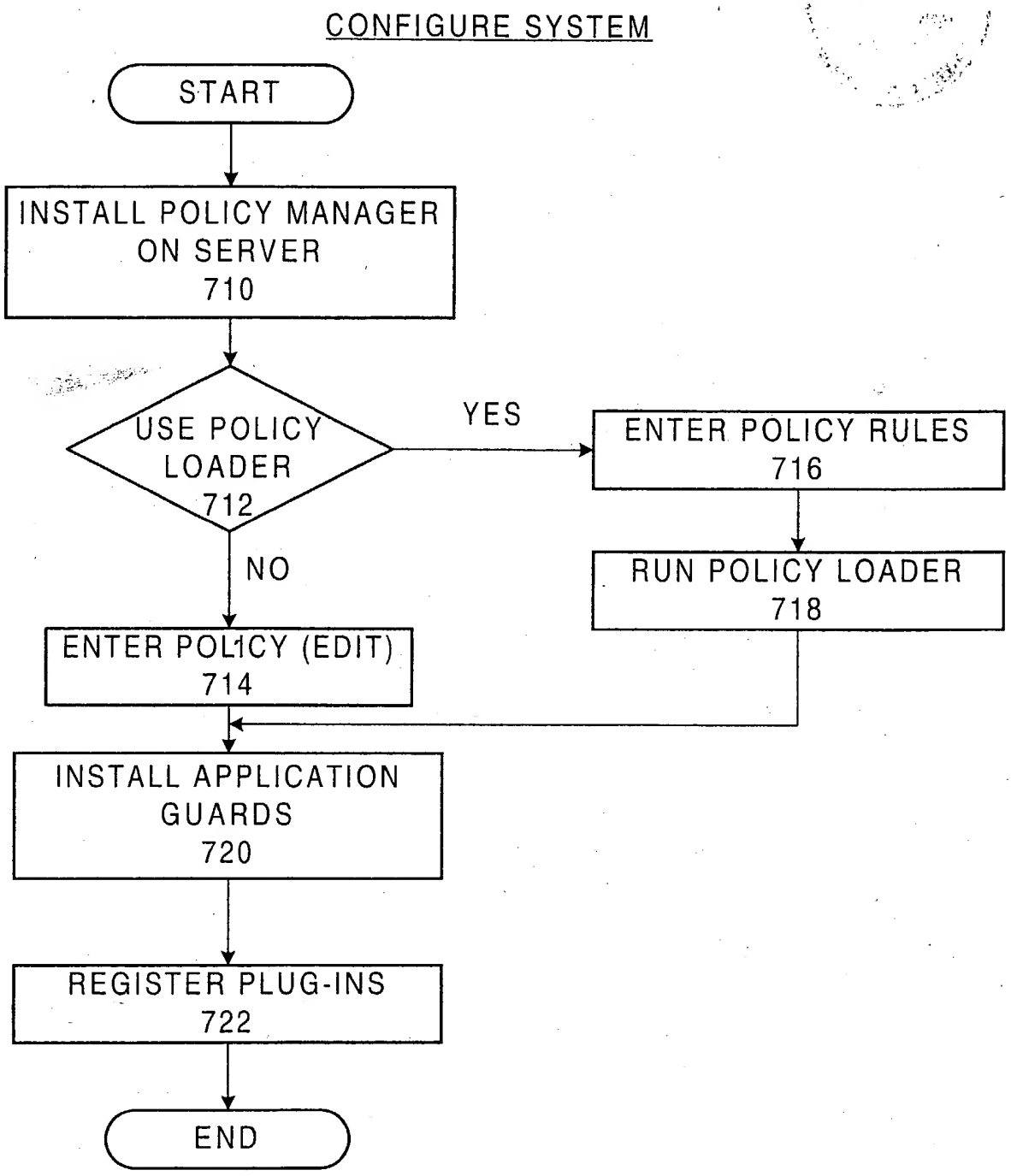

CONFIGURE SYSTEM
START
INSTALL POLICY MANAGER ON SERVER 710
USE POLICY LOADER 712
YES
ENTER POLICY RULES 716
RUN POLICY LOADER 718
NO
ENTER POLICY (EDIT) 714
INSTALL APPLICATION GUARDS 720
REGISTER PLUG-INS 722
END

FIG. 7

MANAGE POLICY

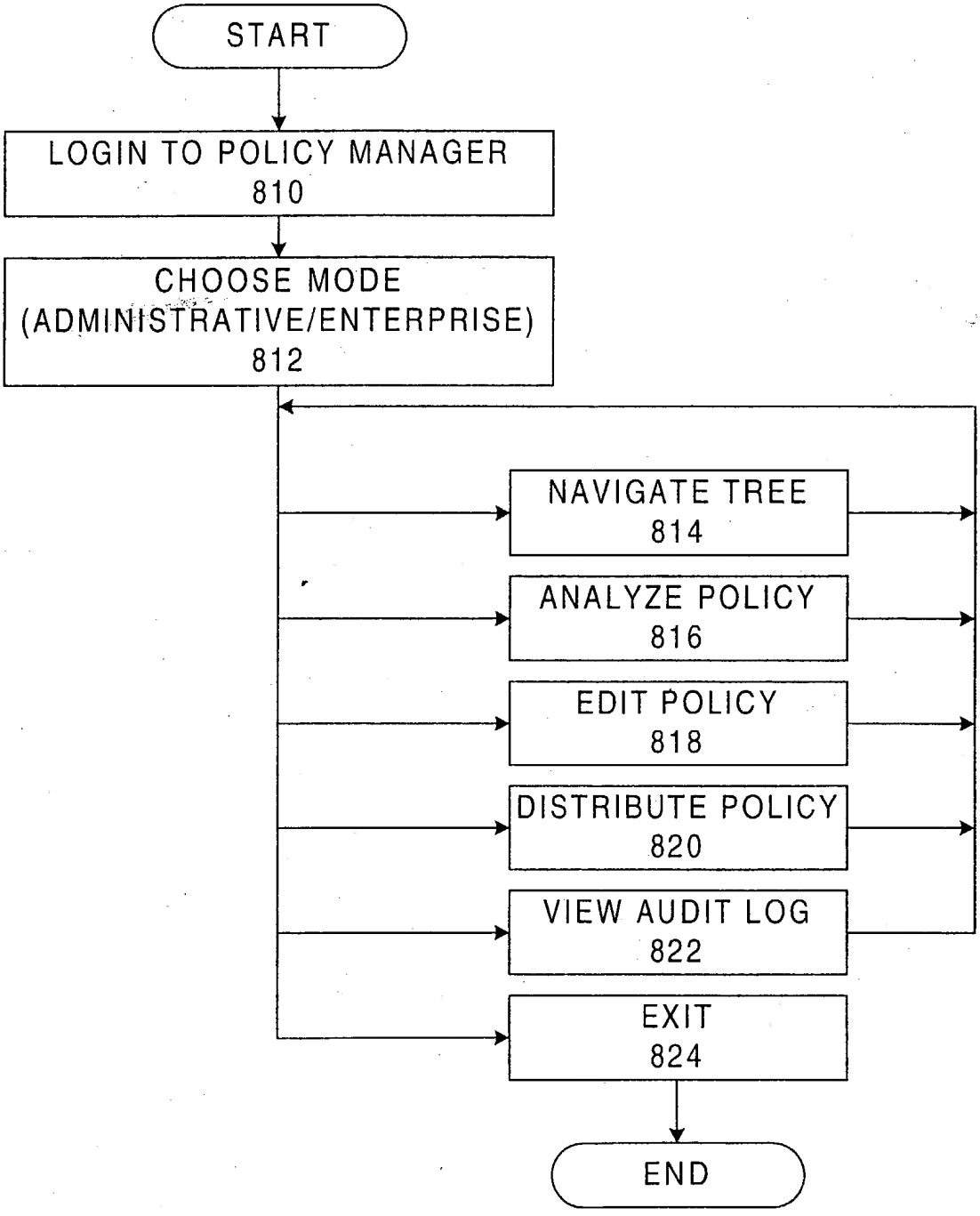


FIG. 8

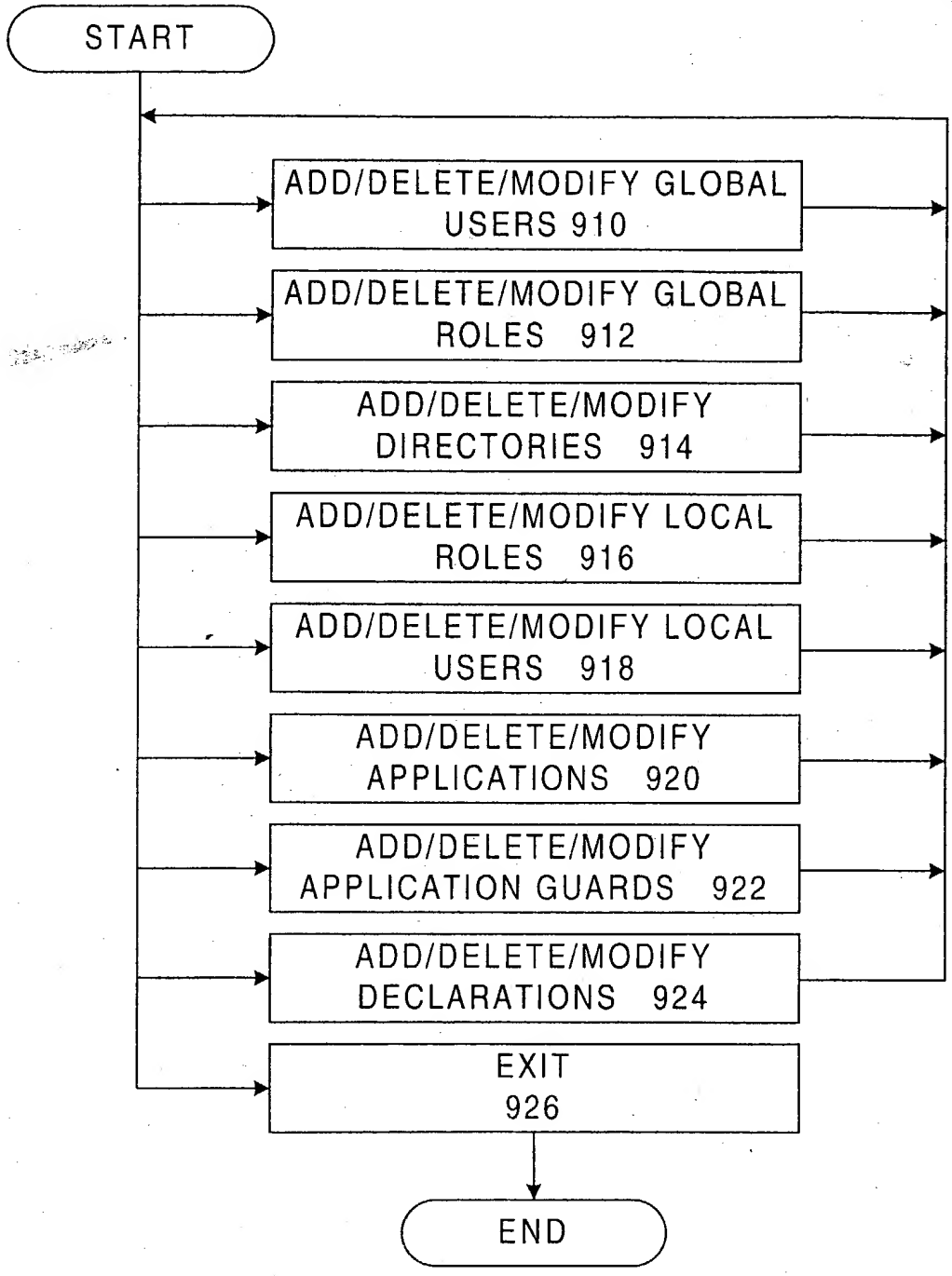

NAVIGATE TREE
START
ADD/DELETE/MODIFY GLOBAL USERS 910
ADD/DELETE/MODIFY GLOBAL ROLES 912
ADD/DELETE/MODIFY DIRECTORIES 914
ADD/DELETE/MODIFY LOCAL ROLES 916
ADD/DELETE/MODIFY LOCAL USERS 918
ADD/DELETE/MODIFY APPLICATIONS 920
ADD/DELETE/MODIFY APPLICATION GUARDS 922
ADD/DELETE/MODIFY DECLARATIONS 924
EXIT 926
END

FIG. 9

ANALYZE POLICY

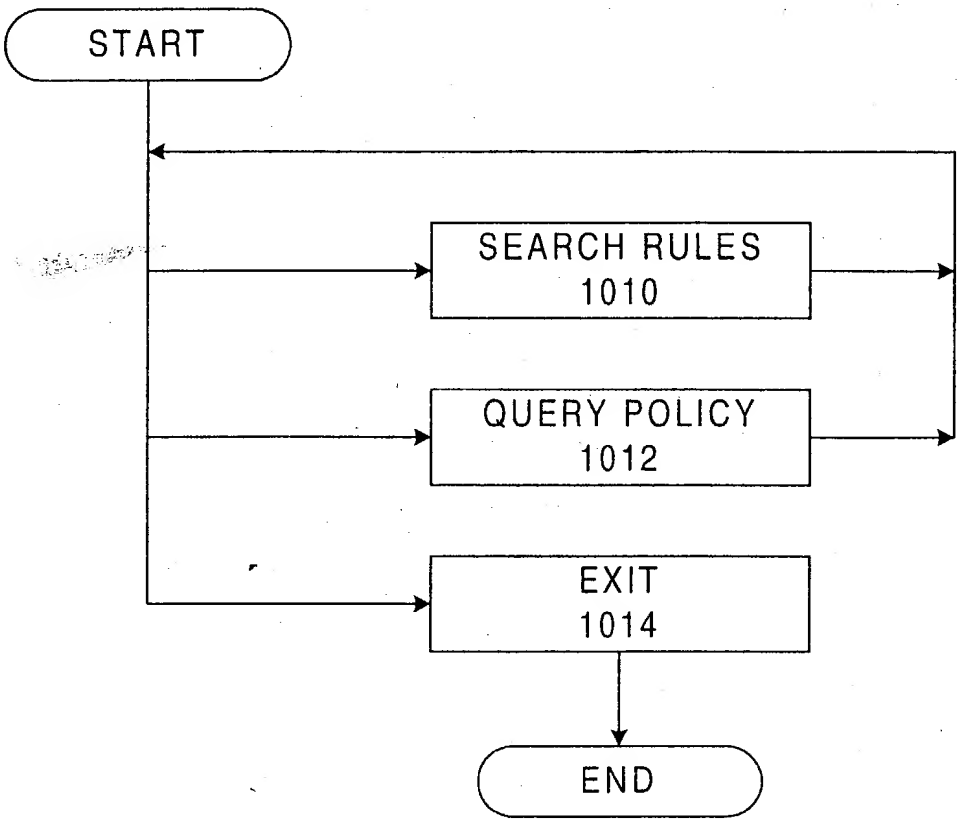


FIG. 10

EDIT POLICY

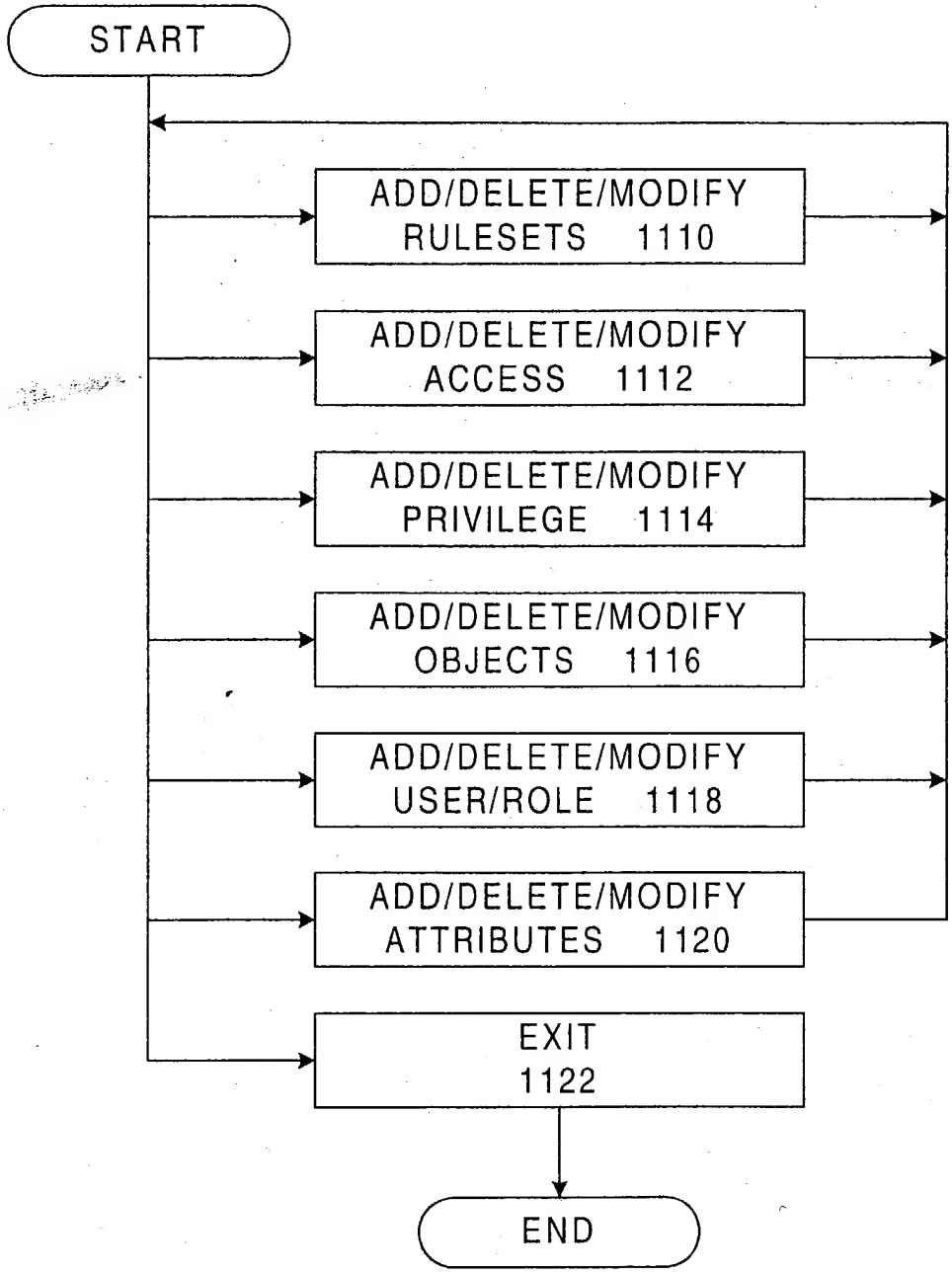


FIG. 11

DISTRIBUTE POLICY

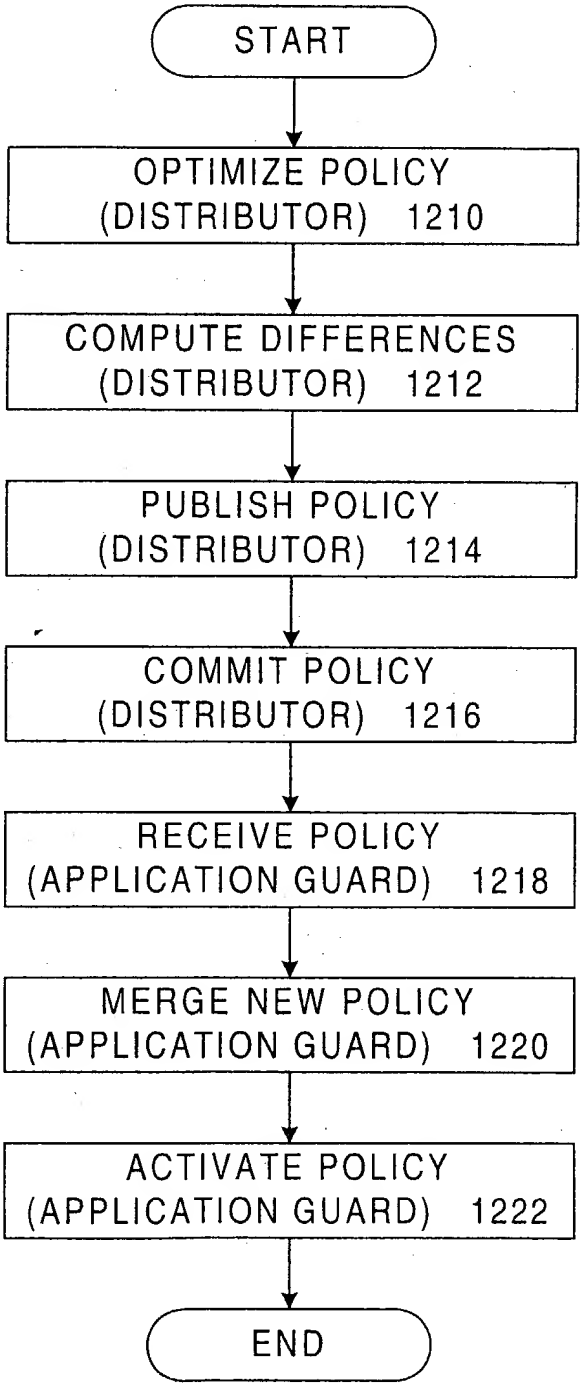


FIG. 12

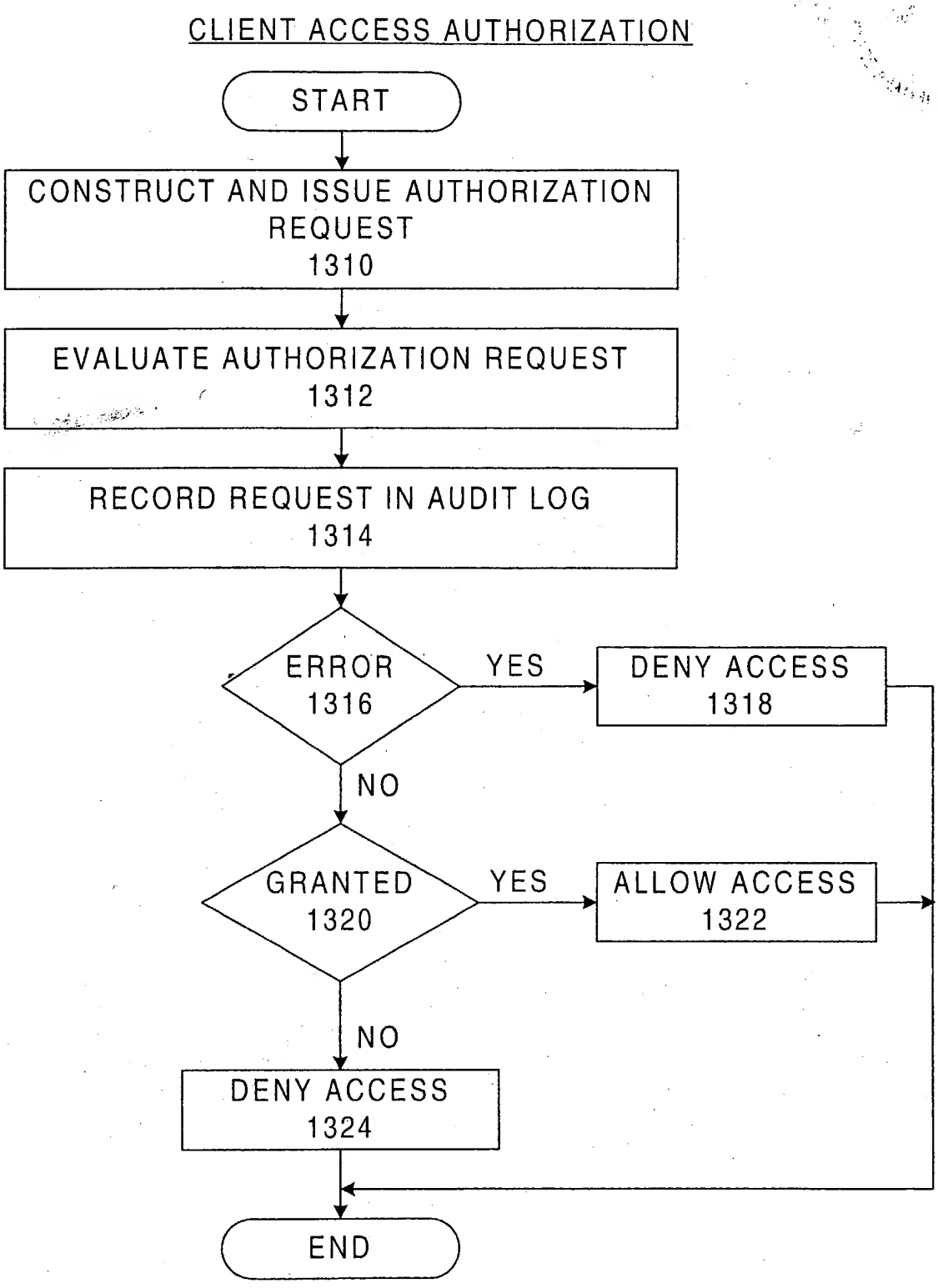

CLIENT ACCESS AUTHORIZATION
START
CONSTRUCT AND ISSUE AUTHORIZATION REQUEST 1310
EVALUATE AUTHORIZATION REQUEST 1312
RECORD REQUEST IN AUDIT LOG 1314
ERROR 1316
YES
DENY ACCESS 1318
NO
GRANTED 1320
YES
ALLOW ACCESS 1322
NO
DENY ACCESS 1324
END

FIG. 13

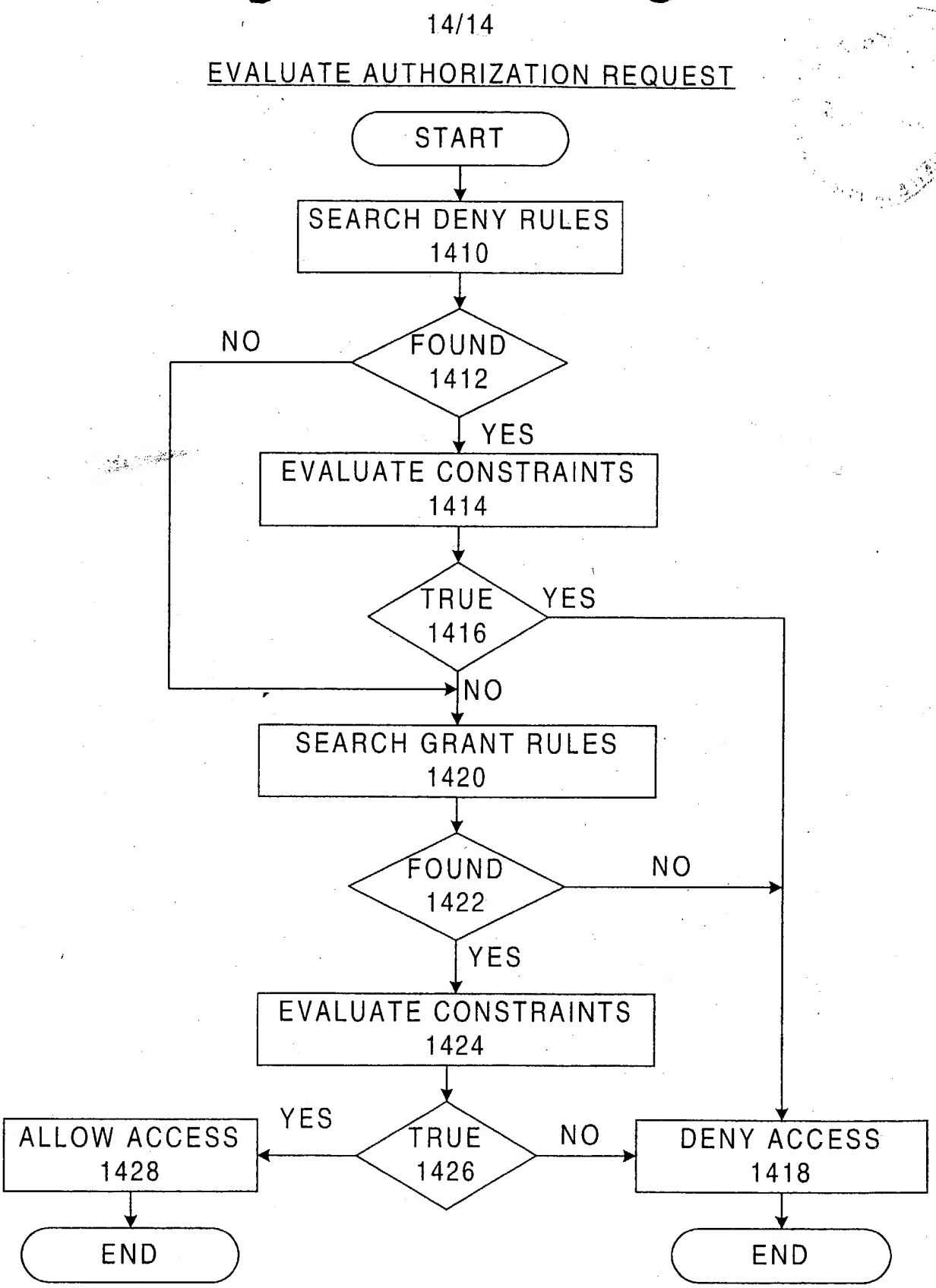

EVALUATE AUTHORIZATION REQUEST
START
SEARCH DENY RULES
1410
FOUND
1412
NO
YES
EVALUATE CONSTRAINTS
1414
TRUE
1416
YES
NO
SEARCH GRANT RULES
1420
FOUND
1422
NO
YES
EVALUATE CONSTRAINTS
1424
TRUE
1426
YES
NO
ALLOW ACCESS
1428
DENY ACCESS
1418
END
END

FIG. 14